

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re: Hammer et al.  
App. No.: 10/797,270  
Filed: March 10, 2004  
For: METHODS TO CONFER HERBICIDE RESISTANCE

Confirmation No.: 3263  
Art Unit: 1638  
Examiner: Not Assigned

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P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT  
CITATION UNDER 37 C.F.R. § 1.97**

Sir:

Attached is a list of documents on form PTO-1449. In accordance with the Office waiver published July 11, 2003, copies of the cited U.S. patents and patent application publications are not enclosed. Applicant does enclose copies of any cited foreign patent documents and non-patent literature in accordance with 37 CFR 1.98(a)(2).

It is requested that the Examiner consider these documents and officially make them of record in accordance with the provisions of 37 C.F.R. § 1.97 and Section 609 of the MPEP. By submitting the listed documents, Applicant in no way makes any admission as to the prior art status of the listed documents, but is instead submitting the listed documents for the sake of full disclosure.

Respectfully submitted,

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**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on June 9, 2004

*Nora C. Martinez*  
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Substitute for form 1449/PTO (Revised 04/2003)  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/797,270
				Filing Date	March 10, 2004
				First Named Inventor	Hammer et al.
				Group Art Unit	1638
				Examiner Name	Not Assigned
Sheet	1	of	2	Attorney Docket Number	045600/275110

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear
	1	US-4,535,060	08-13-1985	Comai	
	2	US-4,769,061	09-06-1988	Comai	
	3	US-5,094,945	03-10-1992	Comai	
	4	US-5,188,642	02-23-1993	Shah et al.	
	5	US-5,463,175	10-31-1995	Barry et al.	
	6	US-6,448,476	09-10-2002	Barry	

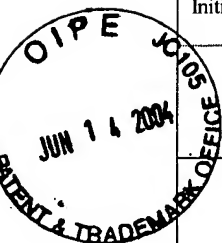
FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code - Number Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	English Language Translation Attached
	7	WO 02/36782 A2	05-10-2002	Maxy-Gen, Inc. & Pioneer Hi-Bred International, Inc.		

OTHER DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	English Language Translation Attached
	8	ARJUNAN, P., et al., "Crystal Structure of the Thiamin Diphosphate-dependent Enzyme Pyruvate Decarboxylase from the Yeast <i>Saccharomyces cerevisiae</i> at 2.3 A Resolution," <i>J. Mol. Biol.</i> , 1996, pp. 590-600, Vol. 256	
	9	BAR-ILAN, A., et al., "Binding and Activation of Thiamin Diphosphate in Acetohydroxyacid Synthase," <i>Biochemistry</i> 2001, pp. 11946-11954, Vol. 40	
	10	HAWKINS, C.F., et al., "A Common Structural Motif in Thiamin Pyrophosphate-binding Enzymes," <i>FEBS LETTERS</i> , September 1989, pp. 77-82, Vol. 255, No. 1	
	11	JORDAN, F., "Interplay of Organic and Biological Chemistry in Understanding Coenzyme Mechanisms: Example of Thiamin Diphosphate-dependent Decarboxylations of 2-oxo Acids," <i>FEBS LETTERS</i> , 1999, pp. 298-301, Vol. 457	

Examiner Signature		Date Considered	
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\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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OTHER DOCUMENTS				
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	12	KISHORE, G.M., and JACOB, G.S., "Degradation of Glyphosate by <i>Pseudomonas</i> sp. PG2982 via a Sarcosine Intermediate," <i>J. Biol. Chem.</i> , September 5, 1987, pp. 12164-12168, Vol. 262, No. 25		
	13	POHL, M., "Protein Design on Pyruvate Decarboxylase (PDC) by Site-Directed Mutagenesis," <i>Advances in Biochemical Engineering/Biotechnology</i> , 1997, pp. 15-43, Vol. 58, Springer-Verlag, Berlin Heidelberg		
	14	SAARI, L.L., et al., "Resistance to Acetolactate Synthase Inhibiting Herbicides," <i>Herbicide Resistance in Plants</i> , 1994, pp. 83-139, CRC Press, Inc.		
	15	SHINABARGER, D.L. and BRAYMER, H.D., "Glyphosate Catabolism by <i>Pseudomonas</i> sp. Strain PG2982," <i>J. Bacteriol.</i> , Nov. 1986, pp. 702-707, Vol. 168, No. 2		
	16	WACKETT, L.P., et al., "Bacterial Carbon-Phosphorus Lyase: Products, Rates, and Regulation of Phosphonic and Phosphinic Acid Metabolism," <i>J. Bacteriol.</i> , Feb. 1987, pp. 710-717, Vol. 169, No. 2		
	17	WARD, O.P. and SINGH, A., "Enzymatic Asymmetric Synthesis by Decarboxylases," <i>Current Opinion in Biotechnology</i> , 2000, pp. 520-526, Vol. 11		
	18	NCBI Database Report for Accession No. AF098293, Direct Submission on October 13, 1998		

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